

1/10

FIG. 1
Prior Art

1st Number	2nd Number	3rd Number	4th Number
1	-	2	-
		2	-
		3	-
	3	-	4
	-	2	-
	4	-	4
	-	3	-
	2	-	2
4	-	3	-
			6

2/10
FIG. 2

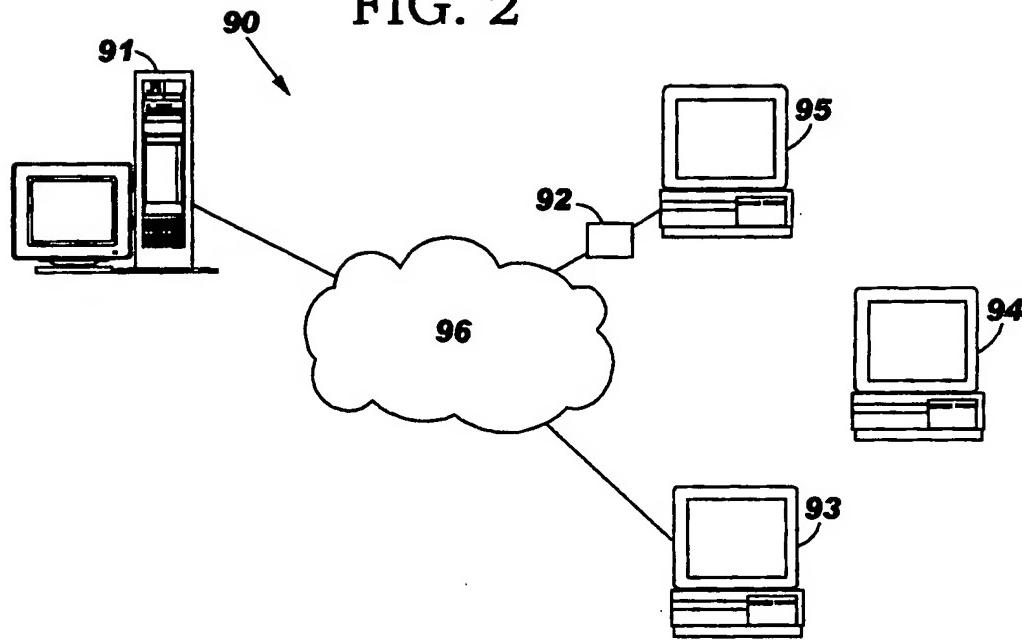
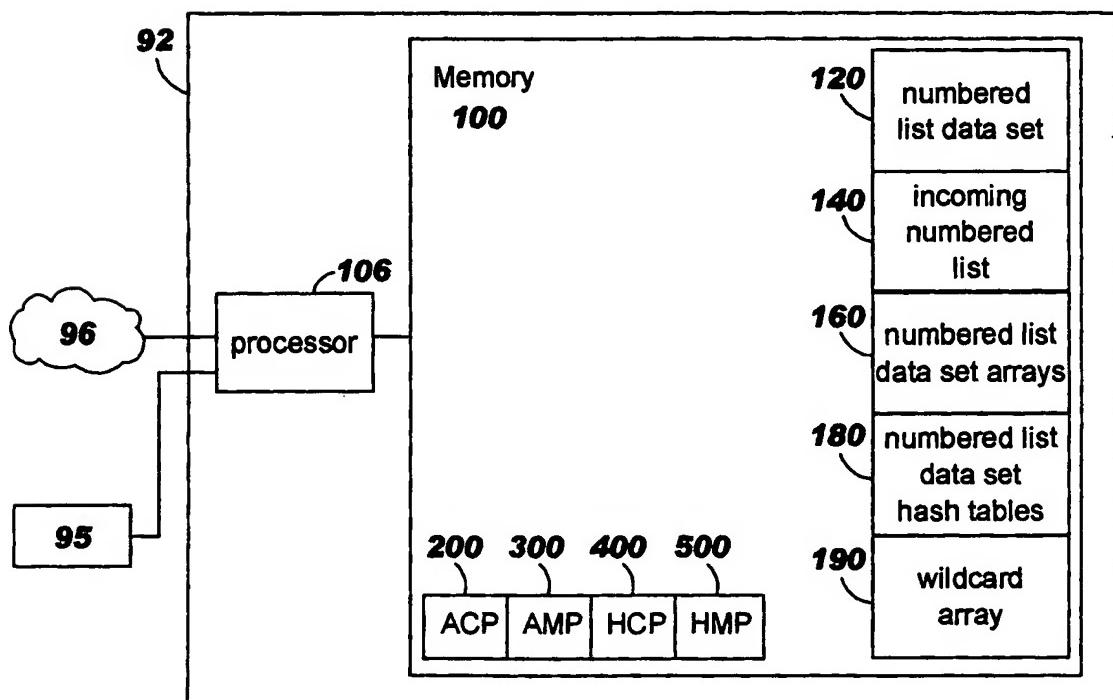
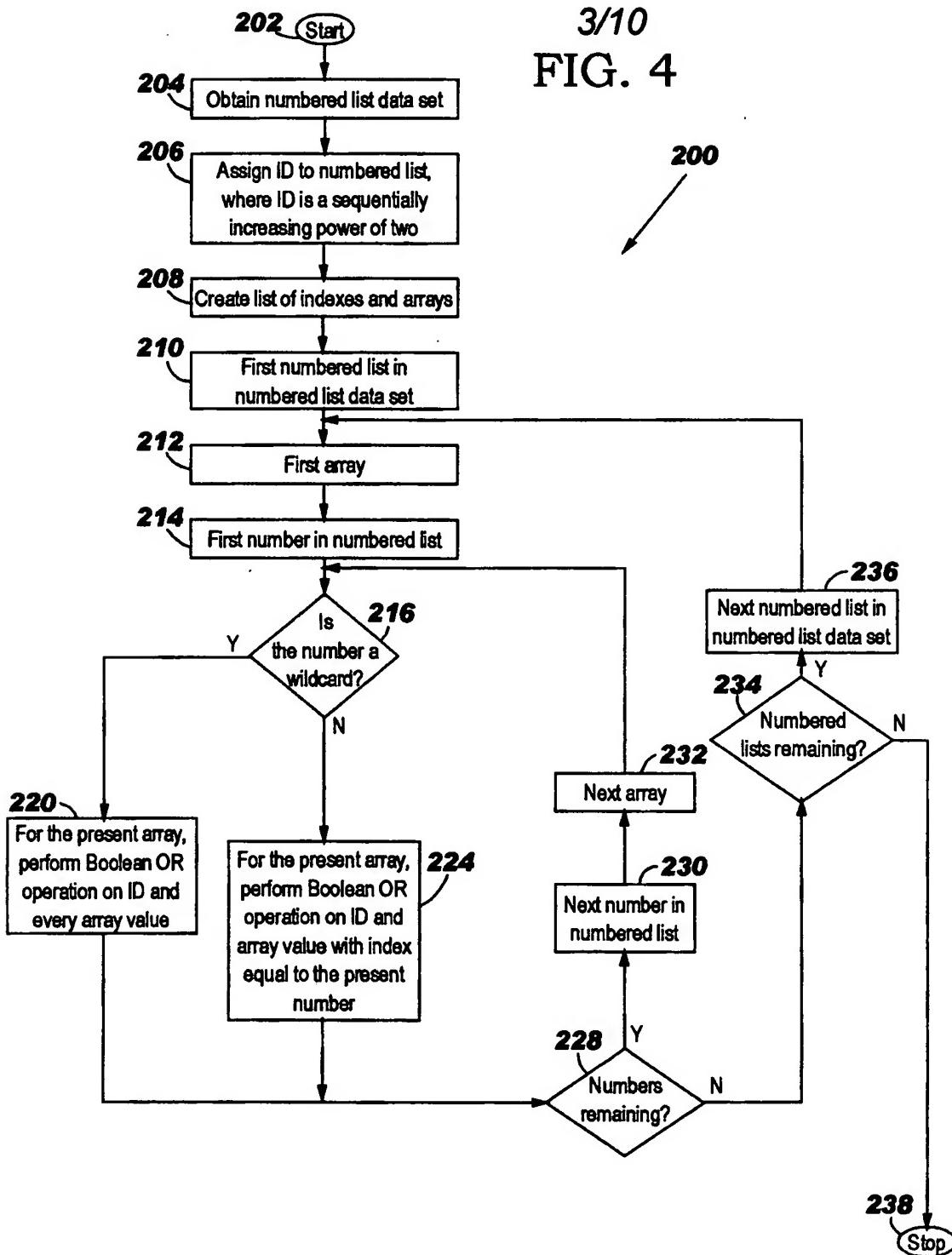


FIG. 3



3/10
FIG. 4



4/10

FIG. 5

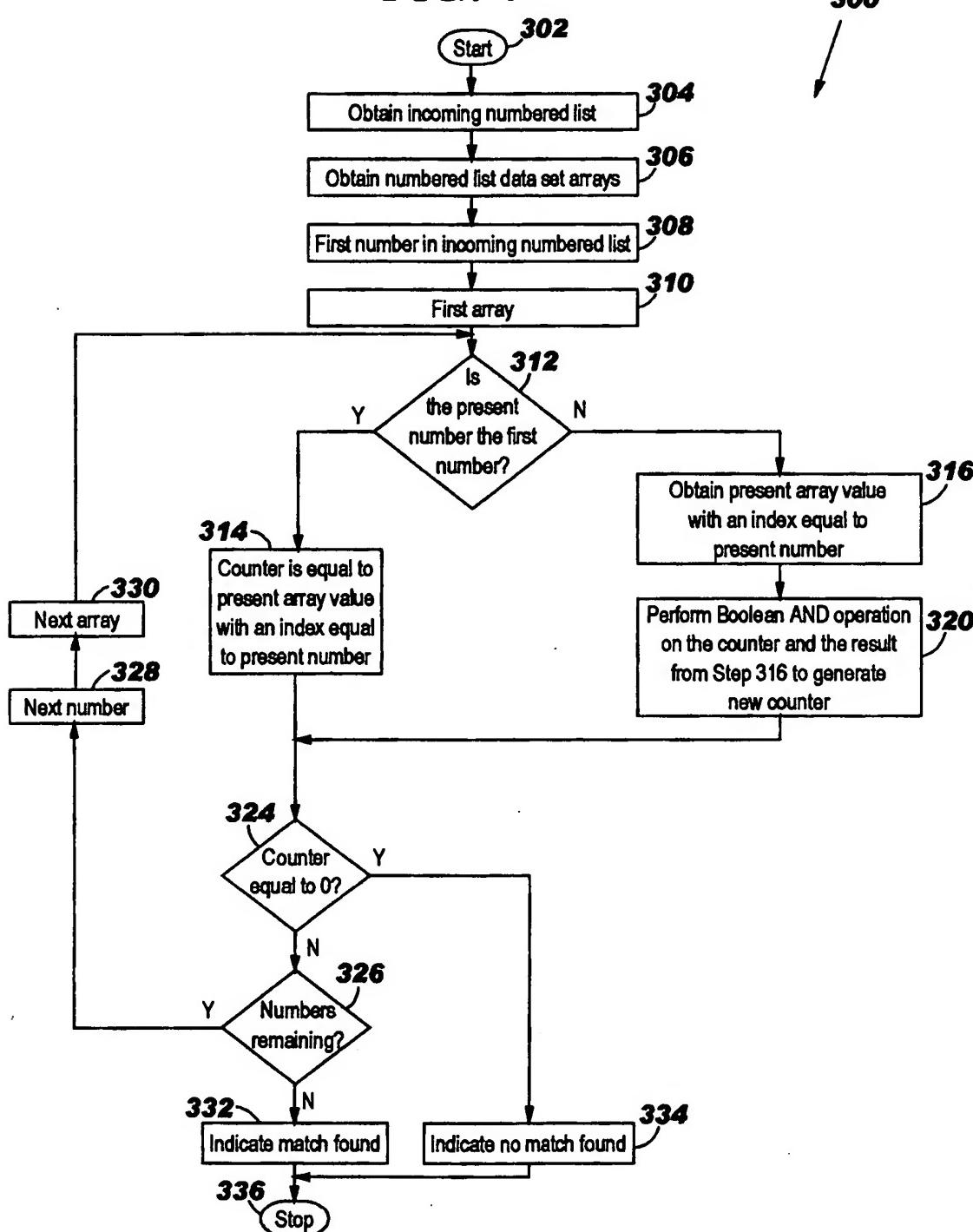
numbered list	ID
1.2.3.4	1
1.2.*.5	2
1.1.3.4	4
..5.4	8

FIG. 6

Index	Array 1	Array 2	Array 3	Array 4
0	0x8	0x8	0x2	0x0
1	0xF	0xC	0x2	0x0
2	0x8	0xB	0x2	0x0
3	0x8	0x8	0x7	0x0
4	0x8	0x8	0x2	0xD
5	0x8	0x8	0xA	0x2
6	0x8	0x8	0x2	0x0
7	0x8	0x8	0x2	0x0
8	0x8	0x8	0x2	0x0
9	0x8	0x8	0x2	0x0
A	0x8	0x8	0x2	0x0
B	0x8	0x8	0x2	0x0
C	0x8	0x8	0x2	0x0
D	0x8	0x8	0x2	0x0
E	0x8	0x8	0x2	0x0
F	0x8	0x8	0x2	0x0

5/10

FIG. 7



6/10

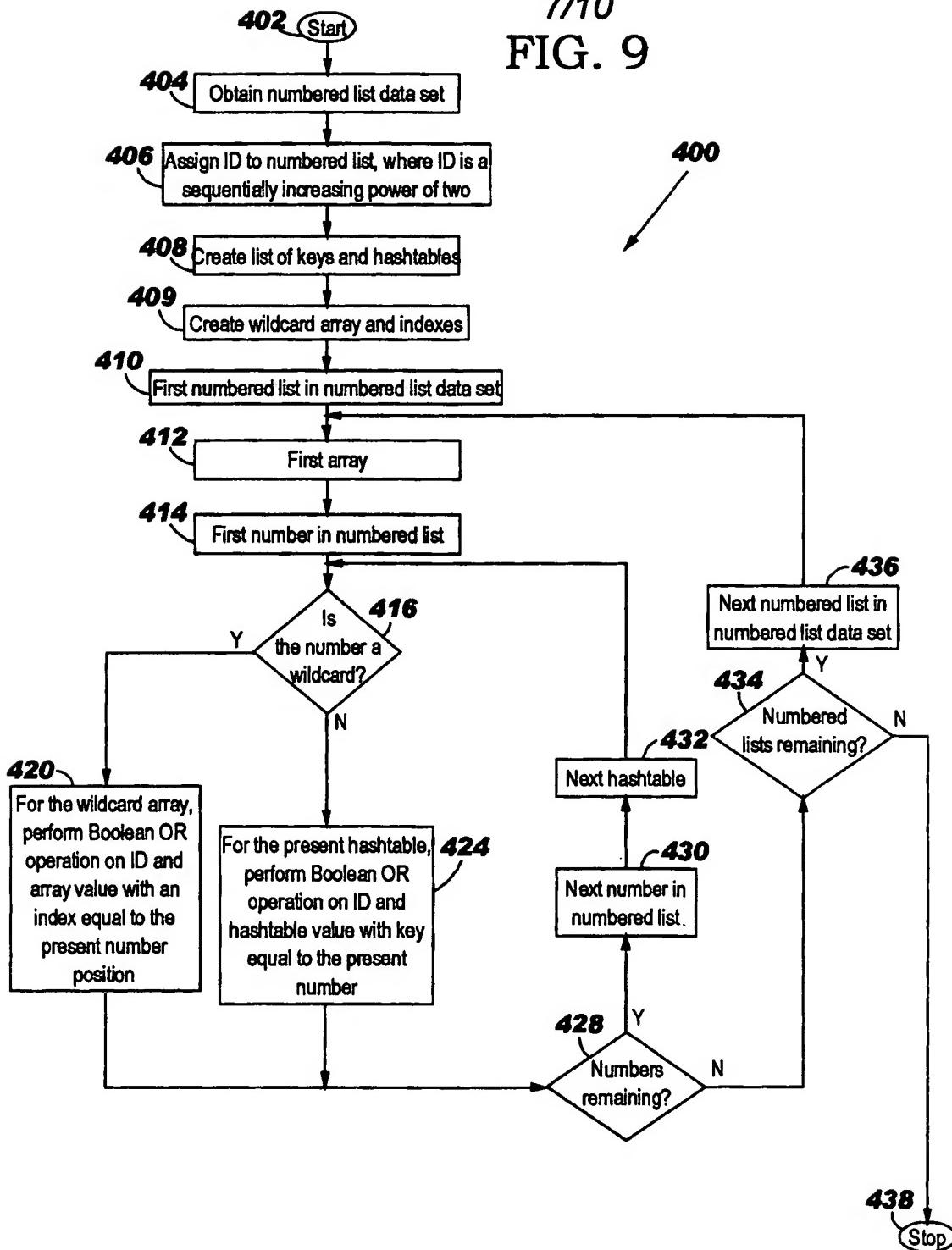
FIG. 8A

Number	Array Value	Counter at Step 312	Counter at Step 324
1	0xF	N/A	0xF
2	0xB	0xF	0xB
6	0x2	0xB	0x2
5	0x2	0x2	0x2

FIG. 8B

Number	Array Value	Counter at Step 312	Counter at Step 324
2	0x8	N/A	0x8
3	0x8	0x8	0x8
2	0x2	0x8	0x0
5	Not obtained	Not calculated	Not calculated

7/10
FIG. 9



8/10

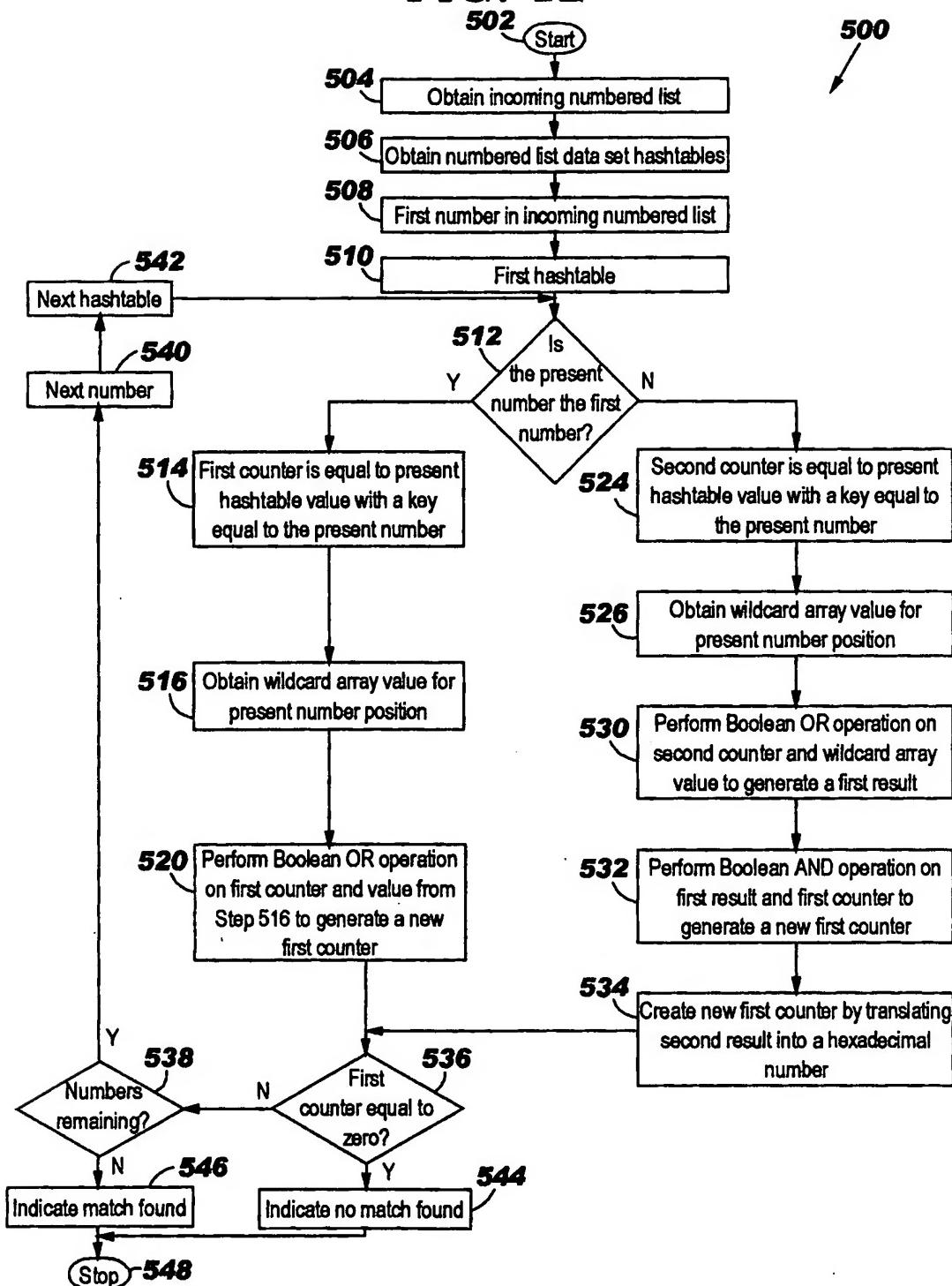
FIG. 10

Key	Hashtable 1	Hashtable 2	Hashtable 3	Hashtable 4
1	0x7	0x4		
2		0x3		
3			0x5	
4				0xD
5			0x8	0x2

FIG. 11

Index	Wildcard Array
1	0x8
2	0x8
3	0x2
4	0x0

9/10
FIG. 12



10/10

FIG. 13A

Number	Hashtable Value	Wildcard array value	First counter at step 512	Second counter at step 524	First result at step 520/530	Second result at step 532	First counter at step 536
1	0x7	0x8	N/A	N/A	1111	N/A	0xF
2	0x3	0x8	0xF	0x3	1011	1011	0xB
6	0x0	0x2	0xB	0x0	0010	0010	0x2
5	0x2	0x0	0x2	0x2	0010	0010	0x2

FIG. 13B

Number	Hashtable Value	Wildcard array value	First counter at step 512	Second counter at step 524	First result at step 520/530	Second result at step 532	First counter at step 536
2	0x0	0x8	N/A	N/A	1000	N/A	0x8
3	0x0	0x8	0x8	0x0	1000	1000	0x8
2	0x0	0x2	0x8	0x0	0010	0000	0x0
5	Not obtained	Not obtained	Not calculated	Not calculated	Not calculated	Not calculated	Not calculated